

**NAVAL AIR STATION (NAS) ALAMEDA RESTORATION ADVISORY BOARD
MEETING SUMMARY**

**Building 1, Suite #140, Community Conference Room
Alameda Point
Alameda, California**

Tuesday, 1 August 2000

ATTENDEES:

see attached list.

MEETING SUMMARY

I. Approval of Minutes

Mary Sutter, Community Co-chair commenced the meeting at 6:35 p.m. and asked for comments to the July 2000 minutes. She stated that the first and fourth sentences of the last paragraph beginning on page 9 should be corrected to read Asediments off shore of Site 1, OU-3@ instead of AOU-4 under the Sediments work group@ and APier Sediments,@ respectively. She asked for any additional comments to the minutes. None were voiced. She moved to accept the minutes, and no objections were made.

II. Co-chair Announcements

Ms. Sutter stated that Michael Torrey would be late to the meeting and that Tony Dover had an excused absence. She mentioned Daniel Zirga has resigned from the RAB. She passed around several recently-received documents: 1) an e-mail dated 17 July 2000 from Bill Smith regarding Lenny Siegel, Director of Center for Public Environmental Oversight, and a resolution submitted by Mayors Brown and Brown of Oakland and San Francisco, respectively, urging expeditious revitalization, which was adopted by the U.S. Conference of Mayors in Seattle in June; 2) a Navy memo with comments to Mary Rose Cassa regarding unexploded ordinance (UXO) at Site 3; 3) comments by the DTSC on Draft OU-3 Remedial Investigation Feasibility Study addendum done on radiological materials; 4) Phillip Ramsey, EPA, comments on the Draft RAP ROD; 5) a 22 July 2000 letter to Rick Weissenborn from Phillip Ramsey, U.S. EPA, containing his comments regarding UXO at Alameda Naval Air Station; 6) a report entitled ADetermination of the Beneficial Uses of Groundwater@; 7) a four-page summary of Alameda Point Active Documents (a list she had been given by Michael Bloom that detailed 66 documents); and 8) a copy of Patrick Lynch=s comments regarding the RAP ROD.

Mike McClelland, BRAC Environmental Coordinator (BEC), announced that the RAP ROD for the Marsh Crust, which was scheduled to be finalized by July 30th, is still being examined and that the revised finalizing date is 18 August. He stated that in negotiating the new federal facility agreement, the Navy has been looking at schedules and funding for next year with a view toward expediting removal actions by making use of available money. He reported that the Navy had prepared a new schedule document with draft copies having been sent to the regulatory agencies. He asked Ms. Sutter whether she thought this a topic to discuss at future RAB meetings, and she replied in the affirmative.

Mr. McClelland introduced Craig Hunter, Tetra Tech (TtEMI), who presented an OU-1 Update, beginning with the latest tally on the six sites and one parcel comprising OU-1, specifically Sites 6, 7, 8, 14, 15, 16 and Parcel 168. Mr. Hunter noted that contaminants in soil and ground water have been found at all sites. He reported that under the Corrective Action Program (CAP), data gap sampling has been performed at Site 7 (the Former Service Station) and Site 8 (the Pesticides Storage Area) and that sampling will also occur at the other sites soon.

Site 6 (Aircraft Service Facility) was used as a seaplane hangar and for component repair, Mr. Hunter observed, adding that the primary contaminant sources now being addressed are wash pads, paint-stripping activities, above-ground tanks, and miscellaneous waste storage areas. He stated the principal contaminants found there to date are polycyclic aromatic hydrocarbons to a depth of 12-15 feet. He noted that on the west side of the building tetrochloroethylene (TCE) and vinyl chloride have also been found.

Mr. Hunter stated that data-gap sampling currently planned will be conducted to further refine the definition of a plume and to expand the monitoring well network addressing plume migration. He also noted a number of above ground tanks, an avionics lab, and additional waste storage areas as potential sources of contamination, and informed the RAB that sampling is occurring there presently. He stated that areas of plume migration would be where the next sampling will occur. He commented that the goal ultimately was to accomplish an accelerated cleanup.

Mr. Hunter displayed a map of OU-1, Site 6 showing a sampling from the Geographic Information System (GIS) for the IR program and the EBS program. Mary Rose Cassa requested additional clarification as to which was which, and Mr. Hunter pointed to appropriate locations on the map, also indicating storm sewers and sanitation sewer lines pictured on the map.

He discussed several aspects of Site 7, beginning with Building 459 (the Navy Exchange Service Station), where releases have occurred from underground storage tanks, associated piping, solvent tanks, and oil tanks; polycyclic aromatic hydrocarbon (PAH) compounds and benzene have been found at depth in the soil and benzene has been detected in groundwater.

Mr. Hunter presented slides of Site 7 and Site 8 Data Gap Sampling and more figures from the GIS, including maps of both sites. He explained that Site 8, Building 114 is the former Pesticide Storage Area, where principal contaminants presently are chromium, benzene, and vinyl chloride. He stated that no removal actions were currently being considered there for groundwater or soil.

Regarding OU-1, Site 14 (the Fire Training Area), Mr. Hunter showed several slides including data gap sampling and a map of the sampling done. He observed that the principal contaminants at the site are dioxins and vinyl chloride in the soil and vinyl chloride in the water. He noted that data gap sampling will be extensive in this area and that additional soil and water sampling will be done around the berm to identify whether the dioxins are migrating. He presented a map (slide) of sampling done near the inner harbor, where clusters of samples have been taken to watch for anything migrating through the soil or water. He stated that a soil removal has been planned for the berm area to remove any soil where dioxins are found.

Mr. Hunter presented slides of Site 15, Building 301 (the former transformer storage area), including data gap sampling and a confirmation sample map, indicating the primary contaminants as polychlorinated biphenyls (PCBs) and lead, for which additional sampling is currently being done in soil and water at the site.

He also showed slides of Site 16, C2 CANS, where a boundary change has added Parcel 168 (the former Auto Repair Hobby Shop). Mr. Hunter opined that solvents would have been used there to clean automobile engine components. He added that in other sections of Site 16 PCBs are evident in the soil, as well as TCEs and dichlorobenzene (DCBZ) in the water.

Ms. Sutter asked whether a previous removal had been done at Site 16, and Mr. Hunter replied in the affirmative, explaining that as a result of the removal additional areas were being considered.

Ken Kloc, RAB member, queried whether any further groundwater testing was planned for Site 15, and Mr. Hunter answered that if wells were there they would be sampled. Mr. Kloc stated he thought he knew of three wellsCa triangleCthere; he queried whether any additional wells for sampling would be installed, and Mr. Hunter replied in the negative.

Mr. Kloc recalled a dichlorobenzene plume at the northwestern corner of Site 16 having been defined at a level depth of ground water but not defined yet laterally to the west. Mr. Hunter checked data and commented that collecting and processing samples are not finished, and that TtEMI is waiting for additional funding to proceed. Mr. Kloc commented that the OU-1 group wants to keep track of Sites 7 and 8, which were part of OU-1=s original assessment, and would like to see any documents processed concerning those sites. Mr. Hunter stated that all of the work will be reported.

Patrick Lynch, community member, inquired regarding Site 16, the Auto Hobby Shop, where an underground storage tank (UST) was removed and a subsequent sample done showing 650 ppm of a chlordane compound; he stated he was curious as to why the data had not appeared with the other soil sampling for the site. Mr. Hunter replied that he was not familiar with the file. John Lane, TtEMI, asked for information and proceeded with a search for November 1995; he found samples but not what Mr. Lynch was alluding to. Brad Job, Regional Water Quality Control Board (RWQCB), asked Mr. Lynch where he had seen the data, and he answered that some of it had appeared in the footnotes of an RWQCB spread sheet of confirmation samples from underground storage tanks. Mr. Job commented that 650 ppm is a high concentration, and Mr. Lynch agreed. Ms. Cassa suggested that the footnote be researched and the RAB informed next month.

Lyn Stirewalt, RAB member, asked Mr. Hunter to state again who he worked with and what he did. He answered that he was handling data gap sampling for TtEMI and that the actual data gap sampling was being done by a subcontractor. Ms. Stirewalt queried what the schedule was for OU-1, and Mr. Hunter replied they will begin in December and finish in January, and that the same schedule would apply to OU-2.

Mr. McClelland introduced John Lane, TtEMI, to discuss and demonstrate the GIS computer program. Mr. Lane began the overview by stating that he was a chemist, not a computer expert, and thus by his own example might dispel the rumor that the GIS was an especially difficult system. He showed the RAB a copy of the GIS user=s manual and said that it would be made available to RAB members. Mr. McClelland added that he had been arranging with Doug DeLong, Navy, to have the GIS on a computer in the office he has in Building 1 at Alameda Point. Ms. Sutter inquired as to how large the program is, and Mr. Lane answered that looking only at the shallow water testing it dealt with over 2,570 individual samples. Ms. Sutter asked whether the data base fit on a CD ROM, and Mr. Lane replied in the affirmative.

Using a large projection screen feature of his computer, Mr. Lane displayed the GIS program's various menus and methods of selecting information. A Alameda Query Station, for example, lists contaminants by type and shows them by color under a larger heading of soil and water samples. Sites and conveyance parcels may be found in the table of contents. Maps may be overlain, such as a current map superimposed on an early 20th-century boundary map or on an aerial photograph. Zoom-in and zoom-out tools are also available. Utility lines (electric, gas, water, sewer) are specified on sampling maps. He stated that the data includes sample depths and dates and can be exported to an Excel spreadsheet program.

Ms. Sutter inquired whether it exports only for the chosen reference, and Mr. Lane answered in the affirmative, subsequently demonstrating methods of selecting information and how to be selective when sorting through many samples.

He drew attention to a button on the tool bar that deciphers abbreviations of chemical compounds and proceeded with an example of first looking for monitoring wells, then in A Query Builder and its major headings of looking for all monitoring wells with jet fuel greater than so many parts per million (ppm). Mr. Job commented that the exercise would be called strategic well logging. Mr. Lane remarked that in addition to a measuring tool for distances, the program also has a labeling feature to tag samples. Ms. Cassa

inquired whether the latter could label a particular concentration, and Mr. Lane replied in the affirmative, demonstrating how the task is accomplished. Mr. Job asked how to select and post the highest values from A Table, and Mr. Lane proceeded with a demonstration featuring total petroleum hydrocarbons (TPH)-diesel-finds-in-soil, while also showing five different ways to perform one function. He also noted that printing may be done in several sizes, from 8 1/2 x 11 to 18 x 24.

Diane Behm, RAB member, inquired about layering utility lines onto a map in relation to sampling that has been done, and Mr. Lane demonstrated how to display water lines, industrial waste lines, storm drain lines, gas lines, stem lines, and sewer lines by selecting them from the A Table of Contents. Ms. Behm queried if both soil and water samples can be shown simultaneously, and Mr. Lane stated that he did not believe so because they require separate viewings. Ms. Behm asked whether it might be possible to show both by printing a first go-around on clear poly, and Mr. Lane answered in the affirmative, adding that ways exist to work around various shortcomings in the program.

Ms. Behm inquired how someone knows the exact location of the sampling. Mr. Lane responded that typically the reference point of a sample is recorded either by a surveyor or a GPS (Global Positioning System) and is accurate to within one foot. Ms. Behm commented that layering drawings would therefore fit accurately on top of one another, and Mr. Lane replied in the affirmative.

Jo-Lynne Lee, RAB member, asked where the RAB could access the system, and Mr. McClelland stated that a computer with the program will be made available in the office of Doug DeLong, Navy, in Building 1. Ms. Sutter inquired whether a CD is available, and Mr. Lane replied that since the GIS is constantly being updated, a CD would not prove totally useful. Ms. Cassa queried whether ArcView software was necessary to run the program, and Mr. Job responded in the affirmative, qualifying that version 3.2 in its entirety was required.

Ken O'Donoghue, RAB member, inquired whether data in the database was raw or conditioned. Mr. Lane replied that it was fixed laboratory data. Mr. O'Donoghue stated that his interest was related to the question Mr. Lynch had raised earlier concerning the listing of some high concentration data in a footnote. Mr. Lane commented that perhaps that particular data had been a spreadsheet typo but that it would definitely be advisable to apprise the Navy and/or TtEMI so that the next version of the GIS would note the data appropriately.

Mr. Kloc queried whether the GIS has data from the EBS program, and Mr. Lane answered in the affirmative, showing how the EBS samples can be accessed. Mr. O'Donoghue asked whether the GIS groups samples by concentration, and Mr. Lane replied in the negative, although qualifying that it can sort through a batch of data by looking for a certain level of concentration, after which the sorted grouping can be exported to Excel and listed in a table.

Ms. Stirewalt asked if the program was being used only for Alameda or if other bases were also involved, and Mr. Lane replied that other RABs were also part of the program but he was not sure which ones. Mr. Job stated that he saw the program as being especially valuable for future risk management, to help protect human life, for example building departments consulting the program when considering the issuance of building permits. He also stated that he had a couple of workstations available at the water board where RAB members could use the program.

V. Project Teams, Round the Table

Membership Committee

Ms. Stirewalt introduced two new RAB applicants, John Rouealt and Bill Mitchell.

Petroleum Corrective Action Plan (CAP)

Mr. O'Donoghue stated that not much has been happening. Mr. Job reported that the group had met earlier in the day, 1 August 2000, and attempted to settle a few differences. He stated that he felt the group seems to have a good logical progression and that he would be available to discuss their progress after the meeting adjourned this evening.

OU-1

Mr. Kloc had nothing new to report at this time.

Marsh Crust

Mr. Kloc commented that a sizable construction project was occurring along Main Street in the area of the Marsh Crust and that the construction project manager did not have an excavation map while they were digging. Liz Dodge, City of Alameda, remarked that the excavation is not occurring in an area where the marsh crust is likely to be encountered. Mr. Job stated that he has been going by the area about once every two days and has had discussions with the City's construction inspector. He opined that as the excavation proceeds toward Site 7 it will encounter petroleum-impacted soil. He stated that he was not happy about the stockpile locationCnext to the dog parkCbut that a cyclone fence barrier and plastic has been set up and that the contractor is prepared to make separate stockpiles of petroleum-impacted soil for testing and disposal.

Mr. Lynch noted that the sample results he has seen for the area show levels of lead which need to be dealt with at a Class 1 landfill. He stated that the area is prone to flooding and that it does not appear controls are in place for such an event.

Mr. Lynch also expressed dissatisfaction at the difficulty of obtaining a May 2000 Agency for Toxic Substances and Disease Registry (ATSDR) document. Mr. Job commented that he was sympathetic to that frustration. Mr. Kloc noted that the ATSDR preliminary report deserved consideration because it raises issues related to Coast Guard Housing and is soliciting comments from anyone who lives in areas that are affected by those issues. He made a motion that the RAB should write a letter which the Navy could distribute to the Coast Guard Housing population so that they will be aware of the document and provide input into the comment process. Ms. Stirewalt seconded the motion. Ms. Sutter asked for all were in favor, and the motion was passed. Ms. Sutter inquired who would write the letter, and Mr. Kloc and Ms. Lee volunteered.

Mr. O'Donoghue suggested also writing a letter to the ATSDR in Atlanta to inform them that the RAB has not received the supplement and to request subsequent mailings. Ms. Sutter made a motion to that effect. Ardella Dailey, RAB member, seconded it. Ms. Sutter asked for all in favor, and the motion was passed. Mr. O'Donoghue stated that he would write the letter. Ms. Stirewalt, referring to Mr. Lynch, remarked that the RAB should take note of the fact that someone who is not a RAB member brought the matter to the Board's attention. She commented that the RAB needs to be more proactive.

Environmental Baseline Survey (EBS)

Ms. Lee stated that she had made phone calls to obtain an update on the EBS but has not yet had a response.

OU-3

Mr. Kloc noted that last month he prepared some comments for the OU-3 subgroup regarding the radiological risk assessment and that they were included in the August packet. He briefly discussed the main aspect of his comments, which focused on the dilution of hot-spot risks. He explained that he had calculated the lifetime additional risk of a person exposed to radiation in OU-3 to be 1 in 10,000, whereas the radiological risk assessment had calculated the risk to be a thousand times lower than that. He stated that comment #4 in his set of comments shows the calculation and that the radiological risk assessment is not as conservative as it could be. Mr. Job concurred with Mr. Kloc's area-weighted-average approach to the revised calculation.

VI. BCT Activities

Philip Ramsey, U.S. Environmental Protection Agency (EPA), informed the RAB that he had attended a meeting on 6 July 2000 regarding site schedules where new strategies for accelerating the cleanup were discussed by the BRAC Cleanup Team (BCT). He also noted that on 13 July 2000 he had a one-hour conference call dealing with the Federal Facility Agreement (FFA) and how to move the cleanup along more rapidly. He stated that on 14 July 2000 he and Ms. Cassa had a phone conversation with Rick Weissenborn, Navy RPM, regarding OU-3 and Site 25 and the concerns EPA has about the approach for unexploded ordinance (UXO) at Site 1.

Mr. Ramsey reported that at a monthly meeting on 18 July 2000 the BCT discussed the tidelands crust, a City property trade, runway wetlands data, Site 2/OU-4 landfill risk assessment approach, and data gap sampling. He also stated that on 27 July 2000 he, Ms. Cassa, and Anna-Marie Cook had another conference call in which they discussed data gap sampling, the skeet range, the Off-Shore Sediments adjacent to the OU-3 Site 1 landfill, and the FFA document with the RPM attorney.

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SECTION VI BCT ACTIVITIES

QUESTIONS MAY BE DIRECTED TO:

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Mr. Ramsey also relayed a 13 July 2000 announcement by the U.S. EPA that the City of Alameda has received a pilot grant for redevelopment issues and to assess reuse of the seaplane lagoon.

VII. Community & RAB Comment Period

Mr. Job opined that the accelerated schedules the Navy is proposing seem reasonably aggressive.

Mr. Lynch reiterated his belief that the City of Alameda needs to do more to address stormwater pollution issues as well as reevaluating the current theory of how the marsh crust became contaminated.

Mr. Kloc stated that he was submitting his 19 July 2000 comments on the Draft Remedial Action Plan to be included with the minutes.

Ms. Sutter adjourned the meeting at 8:45 p.m.

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ATTACHMENT – ATTENDANCE LIST

01 AUGUST 2000 RESTORATION ADVISORY BOARD (RAB) MEETING SUMMARY

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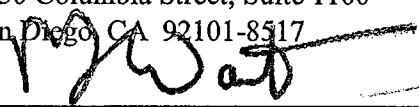
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